

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 501286.01 (30262/US)		APPLICATION NO. 10/822,275	
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				APPLICANT(S) Jeffery W. Janzen			
				FILING DATE April 8, 2004		GROUP ART UNIT 2186	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
CW	AA	4,443,845	04/17/84	Hamilton et al.	364	200	
	AB	5,465,229	11/07/95	Bechtolsheim et al.	365	52	
	AC	5,623,534	04/22/97	Desai et al.	379	59	
	AD	5,787,475	07/28/98	Pawlowski	711	137	
	AE	5,831,467	11/03/98	Leung et al.	327	319	
	AF	6,026,226	02/15/00	Heile et al.	395	500.13	
	AG	6,101,151	08/08/00	Watanabe et al.	365	233	
	AH	6,229,727 B1	05/08/01	Doyle	365	63	
	AI	6,434,654 B1	08/13/02	Story et al.	710	307	
	AJ	6,584,543 B2	06/24/03	Williams et al.	711	105	
	AK	2001/0034839 A1	10/25/01	Karjoth et al.	713	190	
CW	AL	2004/0128421 A1	07/01/04	Forbes	710	303	
	AM						
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FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
					YES	NO	
AQ							
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OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
CW	AS Gillett, R. et al., "Using the Memory Channel Network", Micro, IEEE, Vol. 17, No. 1, January-February 1997, Abstract only. Two pages.

EXAMINER <div style="text-align: right;">/Craig Walter/</div>	DATE CONSIDERED <div style="text-align: right;">07/14/2006</div>
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*** EXAMINER:** Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-149
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	AA	6,111,757	08/29/00	Dell et al.	361	737	
	AB	6,266,730 B1	07/24/01	Perino et al.	710	126	
	AC	6,457,116 B1	09/24/02	Mirsky et al.	712	16	
	AD	6,526,498 B1	02/25/03	Mirsky et al.	712	11	
	AE	6,553,479 B2	04/22/03	Mirsky et al.	712	16	
	AF	6,751,113 B2	06/15/04	Bhakta et al.	365	63	
	AG	6,751,722 B2	06/15/04	Mirsky et al.	712	15	
CW	AH	6,754,117 B2	06/22/04	Jeddeloh	365	201	
	AI						
	AJ						

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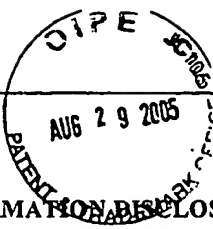
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2186**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	AA	6,910,109 B2	06/21/05	Holman et al.	711	156	
CW	AB	2003/0217223 A1	11/20/03	Nino, Jr. et al.	711	105	
	AC						
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FORM PTO 449 JUL 26 2005 (REV. 7-80) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 501286.01 (30262/US)	APPLICATION NO. 10/822,275
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CW	AA	4,608,702	08/26/86	Hirzel et al.	375	110	
	AB	4,891,808	01/02/90	Williams	370	112	
	AC	5,327,553	07/05/94	Jewett et al.	395	575	
	AD	5,748,616	05/05/98	Riley	370	242	
	AE	6,131,149	10/10/00	Lu et al.	711	167	
	AF	6,208,180 B1	03/27/01	Fisch et al.	327	141	
	AG	6,219,725 B1	04/17/01	Diehl et al.	710	26	
	AH	6,493,803 B1	12/10/02	Pham et al.	711	147	
	AI	6,564,329 B1	05/13/03	Cheung et al.	713	322	
	AJ	6,889,304 B2	05/03/05	Perego et al.	711	170	
	AK	2003/0227798 A1	12/11/03	Pax	365	189.12	
	AL	2004/0044833 A1	03/04/04	Ryan	711	5	
CW	AM	2005/0044327 A1	02/24/05	Howard et al.	711	147	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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JUN 27 2005

U.S. PATENT DOCUMENTS

* EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	AA	5,706,224	01/06/98	Srinivasan et al.	365	49	
	AB	6,286,083 B1	09/04/01	Chin et al.	711	151	
	AC	6,565,329 B2	05/20/03	Yokomachi et al.	417	269	
	AD	6,665,202 B2	12/16/03	Lindahl et al.	365	49	
	AE	6,845,409 B1	01/18/05	Talagala et al.	710	20	
	AF	2003/0149809 A1	08/07/03	Jensen et al.	710	22	
CW	AG	2004/0236885 A1	11/25/04	Fredriksson et al.	710	100	
	AH						
	AI						

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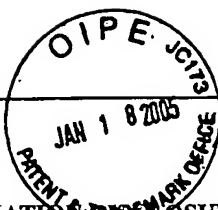
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
CW	AA	4,953,930	09/04/90	Ramsey et al.	350	96.11	
	AB	5,987,196	11/16/99	Noble	385	14	
	AC	6,031,241	02/29/00	Silfvast et al.	250	504 R	
	AD	6,134,624	10/17/00	Burns et al.	710	131	
	AE	6,715,018 B2	03/30/04	Farnworth et al.	710	300	
	AF	6,811,320 B1	11/02/04	Abbott	385	58	
	AG	6,821,029 B1	11/23/04	Grung et al.	385	92	
	AH	2004/0126115 A1	07/01/04	Levy et al.	398	116	
	AI	2004/0144994 A1	07/29/04	Lee et al.	257	200	
CW	AJ	2005/0071542 A1	03/31/05	Weber et al.	711	105	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
					YES	NO	
CW AK 2001265539 A	09/28/01	Japan (+ English Abstract)			X		
CW AL WO 02/27499 A2	04/04/02	PCT					

OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
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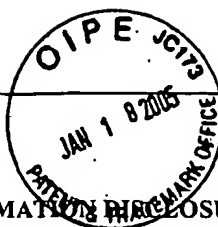
U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	AA	4,240,143	12/16/80	Besemer et al.	364	200	
	AB	4,245,306	01/13/81	Besemer et al.	364	200	
	AC	4,253,144	02/24/81	Bellamy et al.	364	200	
	AD	4,253,146	02/24/81	Bellamy et al.	364	200	
	AE	4,724,520	02/09/88	Athanas et al.	364	200	
	AF	4,930,128	05/29/90	Suzuki et al.	371	12	
	AG	5,269,022	12/07/93	Shinjo et al.	395	700	
	AH	5,317,752	05/31/94	Jewett et al.	395	750	
	AI	5,461,627	10/24/95	Rypinski	370	95.2	
	AJ	5,577,220	11/19/96	Combs et al.	395	416	
	AK	5,715,456	02/03/98	Bennett et al.	395	652	
	AL	5,832,250	11/03/98	Whittaker	395	471	
	AM	5,966,724	10/12/99	Ryan	711	105	
	AN	5,978,567	11/02/99	Rebane et al.	395	200.49	
	AO	6,023,726	02/08/00	Saksena	709	219	
	AP	6,076,139	06/13/00	Welker et al.	711	104	
	AQ	6,098,158	08/01/00	Lay et al.	711	162	
	AR	6,191,663 B1	02/20/01	Hannah	333	17.3	
	AS	6,249,802 B1	06/19/01	Richardson et al.	709	200	
	AT	6,405,280 B1	06/11/02	Ryan	711	105	
	AU	6,434,696 B1	08/13/02	Kang	713	2	
	AV	6,438,622 B1	08/20/02	Haghighi et al.	710	1	
	AW	6,449,308 B1	09/10/02	Knight, Jr. et al.	375	212	
CW	AX	6,453,393 B1	09/17/02	Holman et al.	711	154	

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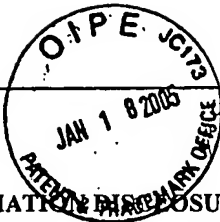
U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	AY	6,501,471 B1	12/31/02	Venkataraman et al.	345	424	
	AZ	6,594,722 B1	07/15/03	Willke, II et al.	710	313	
	BA	6,598,154 B1	07/22/03	Vaid et al.	712	237	
	BB	6,615,325 B2	09/02/03	Mailloux et al.	711	154	
	BC	6,628,294 B1	09/30/03	Sadowsky et al.	345	568	
	BD	6,658,509 B1	12/02/03	Bonella et al.	710	100	
	BE	6,697,926 B2	02/24/04	Johnson et al.	711	167	
	BF	6,718,440 B2	04/06/04	Maiyuran et al.	711	137	
	BG	6,728,800 B1	04/27/04	Lee et al.	710	54	
	BH	6,735,682 B2	05/11/04	Segelken et al.	711	220	
	BI	6,754,812 B1	06/22/04	Abdallah et al.	712	234	
	BJ	6,760,833 B1	07/06/04	Dowling	712	34	
	BK	6,775,747 B2	08/10/04	Venkataraman	711	137	
	BL	6,789,173 B1	09/07/04	Tanaka et al.	711	147	
	BM	6,792,496 B2	09/14/04	Aboulenein et al.	710	306	
	BN	6,795,899 B2	09/21/04	Dodd et al.	711	137	
	BO	6,799,268 B1	09/28/04	Boggs et al.	712	228	
	BP	6,804,760 B2	10/12/04	Williams	711	170	
	BQ	6,807,630 B2	10/19/04	Lay et al.	713	2	
	BR	6,820,181 B2	11/16/04	Jeddeloh et al.	711	169	
	BS	6,823,023 B1	11/23/04	Hannah	375	296	
	BT	2001/0039612 A1	11/08/01	Lee	713	2	
	BU	2002/0116588 A1	08/22/02	Beckert et al.	711	161	
CW	BV						

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							YES	NO
	BW							
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CW	CB	Intel, "Flash Memory PCI Add-In Card for Embedded Systems", Application Note AP-758, September, 1997, pp. i-13.
CW	CC	Shanley, T. et al., "PCI System Architecture", Third Edition, Mindshare, Inc., 1995, pp. 24-25.
	CD	
	CE	
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	CJ	
	CK	

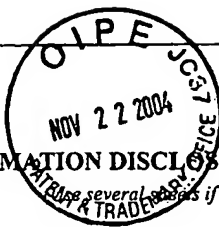
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CW	AA	4,707,823	11/17/87	Holdren et al.	370	1	
	AB	5,241,506	08/31/93	Motegi et al.	365	210	
	AC	5,243,703	09/07/93	Farmwald et al.	395	325	
	AD	5,319,755	06/07/94	Farmwald et al.	395	325	
	AE	5,355,391	10/11/94	Horowitz et al.	375	36	
	AF	5,432,823	07/11/95	Gasbarro et al.	375	356	
	AG	5,465,229	11/07/95	Bechtolsheim et al.	345	477	
	AH	5,502,621	03/26/96	Schumacher et al.	361	760	
	AI	5,566,325	10/15/96	Bruce, II et al.	395	494	
	AJ	5,581,767	12/03/96	Katsuki et al.	395	800	
	AK	5,606,717	02/25/97	Farmwald et al.	395	856	
	AL	5,638,334	06/10/97	Farmwald et al.	365	230.03	
	AM	5,819,304	10/06/98	Nilsen et al.	711	5	
	AN	5,928,343	07/27/99	Farmwald et al.	710	104	
	AO	5,973,935	10/26/99	Schoenfeld et al.	361	813	
	AP	5,973,951	10/26/99	Bechtolsheim et al.	365	52	
	AQ	6,029,250	02/22/00	Keeth	713	400	
	AR	6,061,296	05/09/00	Ternullo, Jr. et al.	365	233	
	AS	6,125,431	09/26/00	Kobayashi	711	154	
	AT	6,175,571 B1	01/16/01	Haddock et al.	370	423	
	AU	6,185,352 B1	02/06/01	Hurley	385	114	
	AV	6,247,107 B1	06/12/01	Christie	711	216	
	AW	6,294,937 B1	09/25/01	Crafts et al.	327	158	
CW	AX	6,370,068 B2	04/09/02	Rhee	365	196	

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CW	AY	6,401,213 B1	06/04/02	Jeddeloh	713	401	
	AZ	6,430,696 B1	08/06/02	Keeth	713	503	
	BA	6,434,736 B1	08/13/02	Schaecher et al.	716	17	
	BB	6,479,322 B2	11/12/02	Kawata et al.	438	109	
	BC	6,490,188 B2	12/03/02	Nuxoll et al.	365	63	
	BD	6,629,220 B1	09/30/03	Dyer	711	158	
	BE	6,646,929 B1	11/11/03	Moss et al.	365	194	
	BF	6,662,304 B2	12/09/03	Keeth et al.	713	400	
	BG	6,667,895 B2	12/23/03	Jang et al.	365	63	
	BH	6,721,195 B2	04/13/04	Brunelle et al.	365	63	
	BI	6,724,685 B2	04/20/04	Braun et al.	365	233	
	BJ	6,735,679 B1	05/11/04	Herbst et al.	711	167	
	BK	6,745,275 B2	06/01/04	Chang	710	305	
	BL	6,751,703 B2	06/15/04	Chilton	711	113	
	BM	6,756,661 B2	06/29/04	Tsuneda et al.	257	673	
	BN	6,771,538 B2	08/03/04	Shukuri et al.	365	185.05	
	BO	6,792,059 B2	09/14/04	Yuan et al.	375	354	
	BP	6,799,246 B1	09/28/04	Wise et al.	711	117	
	BQ	6,804,764 B2	10/12/04	LaBerge et al.	711	170	
	BR	6,816,947 B1	11/09/04	Huffman	711	151	
	BS	2003/0043158 A1	03/06/03	Wasserman et al.	345	545	
	BT	2003/0093630 A1	05/15/03	Richard et al.	711	154	
	BU	2003/0163649 A1	08/28/03	Kapur et al.	711	146	
CW	BV	2003/0177320 A1	09/18/03	Sah et al.	711	158	

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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 501286.01 (30262/US)	APPLICATION NO. 10/822,275
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT(S) Jeffery W. Janzen	
		FILING DATE April 8, 2004	GROUP ART UNIT 2186

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	BW	2003/0193927 A1	10/16/03	Hronik	370	351	
CW	BX	2004/0022094 A1	02/05/04	Radhakrishnan et al.	365	200	
	BY						
	BZ						
	CA						
	CB						
	CC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CW	CD	WO 93/19422	09/30/93	PCT				
CW	CE	EP0849685A2	06/24/98	EP				
	CF							
	CG							
	CH							
	CI							

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
CW	AA	4,045,781	08/30/77	Levy et al.	364	200		
CW	AB	5,479,370	12/26/95	Furuyama et al.	365	189.12		
CW	AC	5,729,709	03/17/98	Harness	395	405		
CW	AD	5,875,454	02/23/99	Craft et al.	711	113		
CW	AE	6,186,400 B1	02/13/01	Dvorkis et al.	235	462.45		
CW	AF	6,243,831 B1	06/05/01	Mustafa et al.	714	24		
CW	AG	6,256,692 B1	07/03/01	Yoda et al.	710	104		
CW	AH	6,438,668 B1	08/20/02	Esfahani et al.	711	165		
	AI							
	AJ							
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK							
	AL							
	AM							
	AN							
	AO							
OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
CW	AP	"Free On-Line Dictionary of Computing" entry 'Flash Erasable Programmable Read-Only Memory, online May 17, 2004 [http://foldoc.doc.ic.ac.uk/foldoc/foldoc.cgi?flash+memory]						
	AQ							
EXAMINER <div style="text-align: right;">/Craig Walter/</div>				DATE CONSIDERED <div style="text-align: right;">07/14/2006</div>				

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INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				APPLICANT(S) Jeffery W. Janzen			
				FILING DATE April 8, 2004		GROUP ART UNIT Not Yet Assigned	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	AA	5,544,319	08/06/96	Acton et al.	395	200.07	
	AB	5,822,255	10/13/98	Uchida	365	194	
	AC	6,033,951	03/07/00	Chao	438	253	
	AD	6,079,008	06/20/00	Clery, III	712	11	
	AE	6,392,653 B1	05/21/02	Malandain et al.	345	501	
	AF	6,636,110 B1	10/21/03	Ooishi et al.	327	565	
CW	AG	6,681,292 B2	01/20/04	Creta et al.	711	119	
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	AN							
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CW	AA	5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
	AB	5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
	AC	5,442,770	08/15/95	Barratt	395	403	
	AD	5,497,476	03/05/96	Oldfield et al.	395	439	
	AE	5,659,798	08/19/97	Blumrich et al.	395	846	
	AF	5,818,844	10/06/98	Singh et al.	370	463	
	AG	5,875,352	02/23/99	Gentry et al.	395	843	
	AH	6,061,263	05/09/00	Boaz et al.	365	51	
	AI	6,067,262	05/23/00	Irrinki et al.	365	201	
	AJ	6,073,190	06/06/00	Rooney	710	56	
	AK	6,105,075	08/15/00	Ghaffari	710	5	
	AL	6,137,709	10/24/00	Boaz et al.	365	51	
	AM	6,144,587	11/07/00	Yoshida	365	189.05	
	AN	6,167,465	12/26/00	Parvin et al.	710	22	
	AO	6,167,486	12/26/00	Lee et al.	711	120	
	AP	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AQ	6,233,376 B1	05/15/01	Updegrove	385	14	
	AR	6,243,769 B1	06/05/01	Rooney	710	56	
	AS	6,246,618 B1	06/12/01	Yamamoto et al.	365	200	
	AT	6,272,609 B1	08/07/01	Jeddeloh	711	169	
	AU	6,285,349 B1	09/04/01	Smith	345	147	
	AV	6,301,637 B1	10/09/01	Krull et al.	711	112	
	AW	6,327,642 B1	12/04/01	Lee et al.	711	120	
	AX	6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
CW	AY	6,347,055 B1	02/12/02	Motomura	365	189.05	

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U.S. PATENT DOCUMENTS

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CW	AZ	6,349,363 B2	02/19/02	Cai et al.	711	129	
	BA	6,356,573 B1	03/12/02	Jonsson et al.	372	46	
	BB	6,367,074 B1	04/02/02	Bates et al.	717	11	
	BC	6,373,777 B1	04/16/02	Suzuki	365	230.03	
	BD	6,381,190 B1	04/30/02	Shinkai	365	230.03	
	BE	6,421,744 B1	07/16/02	Morrison et al.	710	22	
	BF	6,434,639 B1	08/13/02	Haghighi	710	39	
	BG	6,462,978 B2	10/08/02	Shibata et al.	365	63	
	BH	6,463,059 B1	10/08/02	Movshovich et al.	370	389	
	BI	6,470,422 B2	10/22/02	Cai et al.	711	129	
	BJ	6,473,828 B1	10/29/02	Matsui	711	104	
	BK	6,477,592 B1	11/05/02	Chen et al.	710	52	
	BL	6,477,614 B1	11/05/02	Leddige et al.	711	5	
	BM	6,477,621 B1	11/05/02	Lee et al.	711	120	
	BN	6,496,909 B1	12/17/02	Schimmel	711	163	
	BO	6,505,287 B2	01/07/03	Uematsu	711	170	
	BP	6,523,092 B1	02/18/03	Fanning	711	134	
	BQ	6,523,093 B1	02/18/03	Bogin et al.	711	137	
	BR	6,539,490 B1	03/25/03	Forbes et al.	713	401	
	BS	6,552,564 B1	04/22/03	Forbes et al.	326	30	
	BT	6,587,912 B2	07/01/03	Leddige et al.	711	5	
	BU	6,590,816 B2	07/08/03	Perner	365	200	
	BV	6,594,713 B1	07/15/03	Fuoco et al.	710	31	
CW	BW	6,622,227 B2	09/16/03	Zumkehr et al.	711	167	

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CW	BX	6,631,440 B2	10/07/03	Jenne et al.	711	105	
	BY	2002/0112119 A1	08/15/02	Halbert et al.	711	115	
	BZ	2002/0144064 A1	10/03/02	Fanning	711	144	
	CA	2003/0005223 A1	01/02/03	Coulson et al.	711	118	
	CB	2003/0043426 A1	03/06/03	Baker et al.	359	109	
CW	CC	2003/0229770 A1	12/11/03	Jeddeloh	711	213	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CD							
	CE							
	CF							

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

CW	CG	Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH)", Datasheet, October 1999, pp. 1-178.						
CW	CH	Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM", Micron Technology, Inc., 2002, pp. 1-23.						
	CI							
	CJ							
	CK							
	CL							

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